

**Upward Bound  
Summer 2009  
Algebra II  
Mrs. Shober**

**Location:**

**Goals:** This course in Algebra II seeks to reach the following goals in six weeks:

1. To prepare students for a high school Algebra II class.
2. To assist students in solving for variables.
3. To assist students in sketching and drawing graphs using different methods.
4. To show students the different ways of dealing with matrices.
5. To allow students to preview the SAT.

**Grading:** The following will be important in determining your final grade in the course:

1. Active attendance (participating on your own free will) 10%
2. Homework 20%
3. Quizzes (two or three, possibly more) 20%
4. Midterm 20%
5. Final Exam 30%

**Classroom Etiquette:**

No food or drinks are permitted unless you are willing to buy for the whole gang. If you have to leave early, please sit by the door and exit quietly. If you come in late, sneak in when my back is turned and sit there smirking like you've gotten away with something.....but you haven't.

**Miscellaneous:**

1. I treat you like adults – I do not babysit.
2. If you are late to class or absent, it is your responsibility to contact your peers for the information you missed. If you have contacted them and still have questions, please see me.
3. I will not hunt you down for your homework. If you do not show it to me at the end of class (if tardy) or when you return (if absent), it will be marked as incomplete.
4. If anyone is caught cheating, you will fail the course and risk expulsion. Open door policy: I remember being in your shoes. Anything you need or would like to talk about, please feel free – it is not a bother – I'm glad to help! ☺

**Tentative Schedule** (can change whenever I feel like it, but you're stuck with it)!!

M 6/22	Introduction to Course / Literal Equations and Formulas / Solve Linear Inequalities
T 6/23	Absolute Value Equations and Inequalities
W 6/24	Graph of an Equation / Slope
Th 6/25	Sample SAT Test
M 6/29	Quick Graphs of Linear Equations
T 6/30	Writing Equations of Lines / Review for Quiz
W 7/1	<b>Quiz</b> / Graphing Linear Inequalities
Th 7/2	<b>No Class / 4<sup>th</sup> of July Holiday</b>
M 7/6	Review Quiz / Solving Linear Systems by Graphing
T 7/7	Review for Midterm on Wednesday
W 7/8	<b>Midterm</b>
Th 7/9	Review Midterm / Solving Linear Systems Algebraically
F 7/10	Solving Linear Systems
M 7/13	Problem Solving Strategies / Problem Solving
T 7/14	<b>No Class / New York City Trip</b>
W 7/15	Systems of Linear Equations in 3 Variables
Th 7/16	Systems of Linear Equations in 3 Variables (cont.)
M 7/20	Operations with Matrices
T 7/21	Matrix Multiplication
W 7/22	Determinants / Calculation of Matrices
Th 7/23	Solving System Using Inverse Matrices / Review for Quiz
M 7/27	<b>Quiz</b> / Imaginary and Complex Numbers / Multiplication of Complex Numbers
T 7/28	Review for Final on Wednesday
W 7/29	<b>Final</b>
Th 7/30	Review Final / Wrap-Up